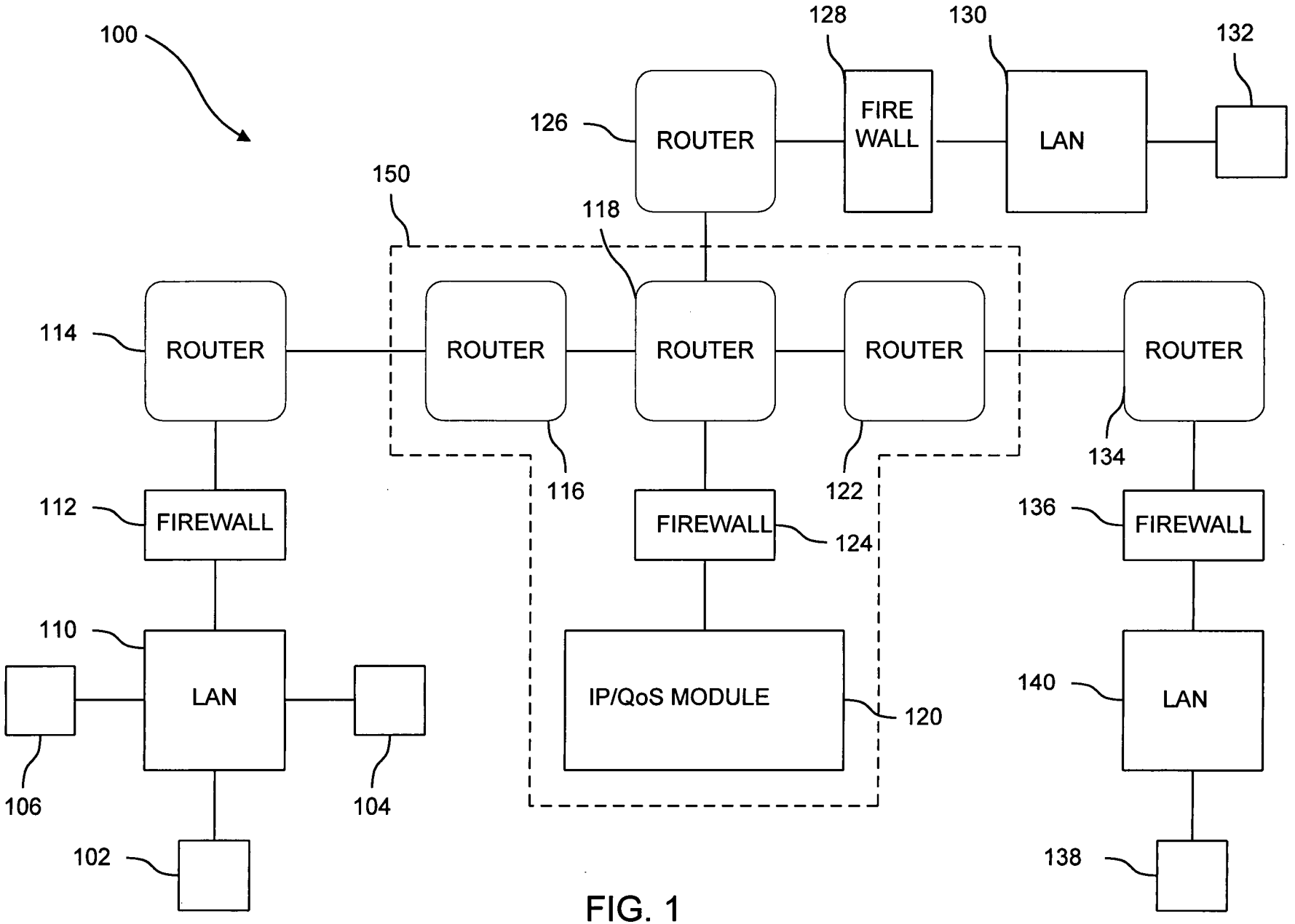

FIG. 1

0990096.121297

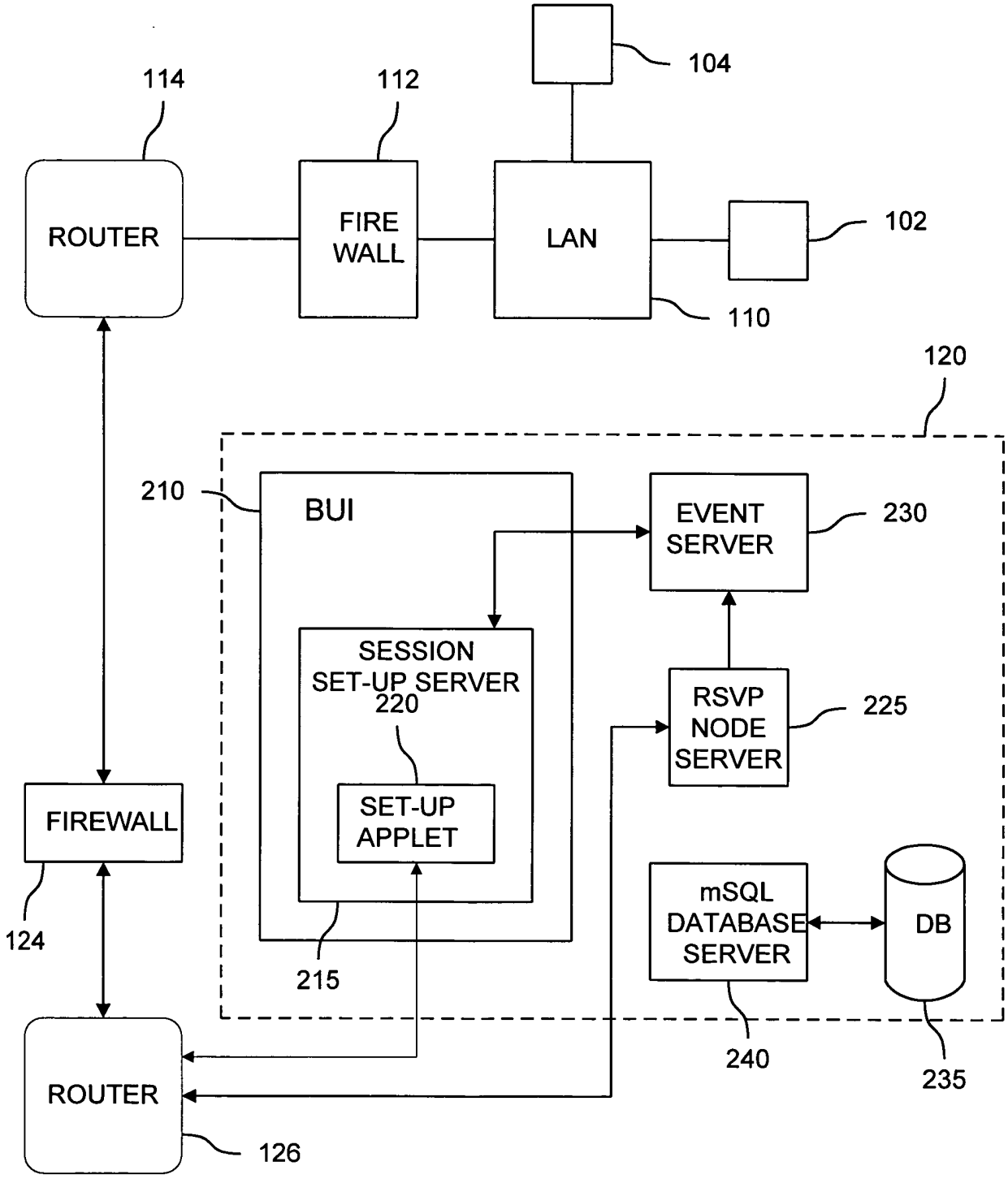
104
114
112
ROUTER
FIRE WALL
LAN
102
110
120
210
BUI
EVENT SERVER
230
SESSION SET-UP SERVER
220
RSVP NODE SERVER
225
FIREWALL
SET-UP APPLET
mSQL DATABASE SERVER
DB
124
215
240
235
ROUTER
126

FIG. 2

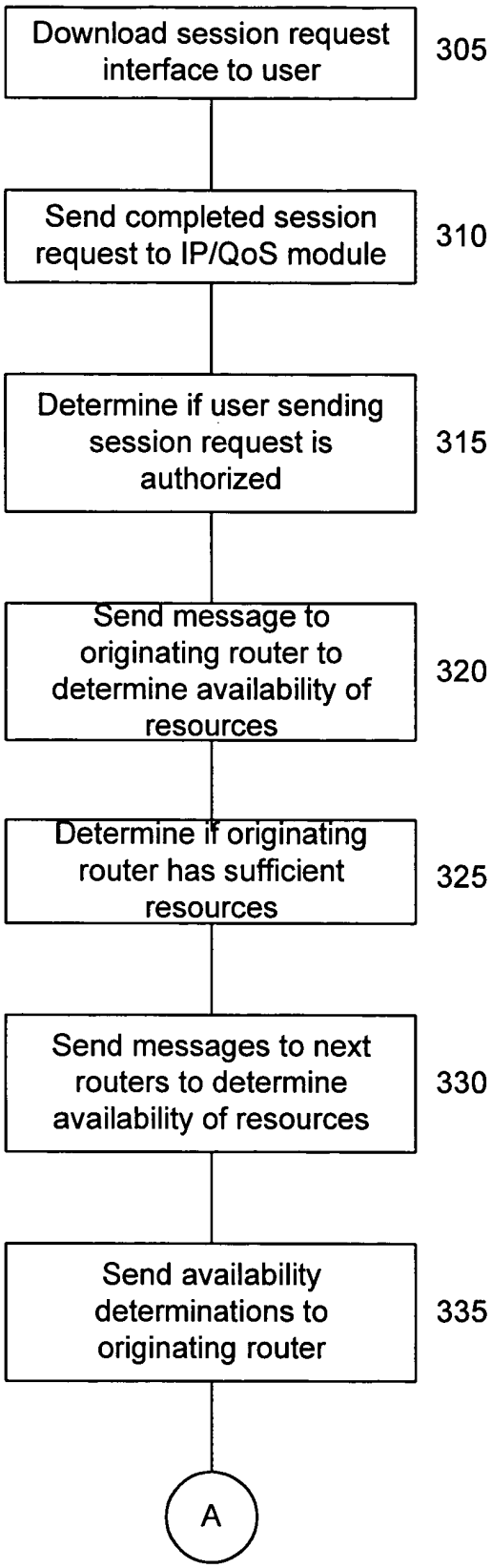
Download session request interface to user
305
Send completed session request to IP/QoS module
310
Determine if user sending session request is authorized
315
Send message to originating router to determine availability of resources
320
Determine if originating router has sufficient resources
325
Send messages to next routers to determine availability of resources
330
Send availability determinations to originating router
335
A

FIG. 3A

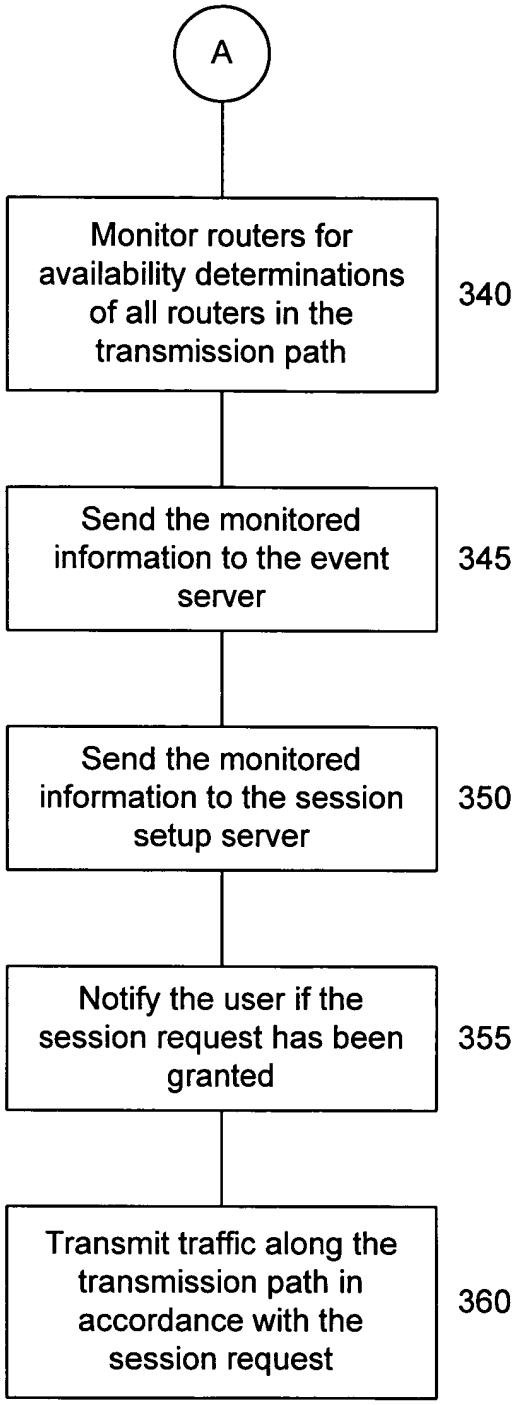
A
Monitor routers for availability determinations of all routers in the transmission path
340
Send the monitored information to the event server
345
Send the monitored information to the session setup server
350
Notify the user if the session request has been granted
355
Transmit traffic along the transmission path in accordance with the session request
360

FIG. 3B

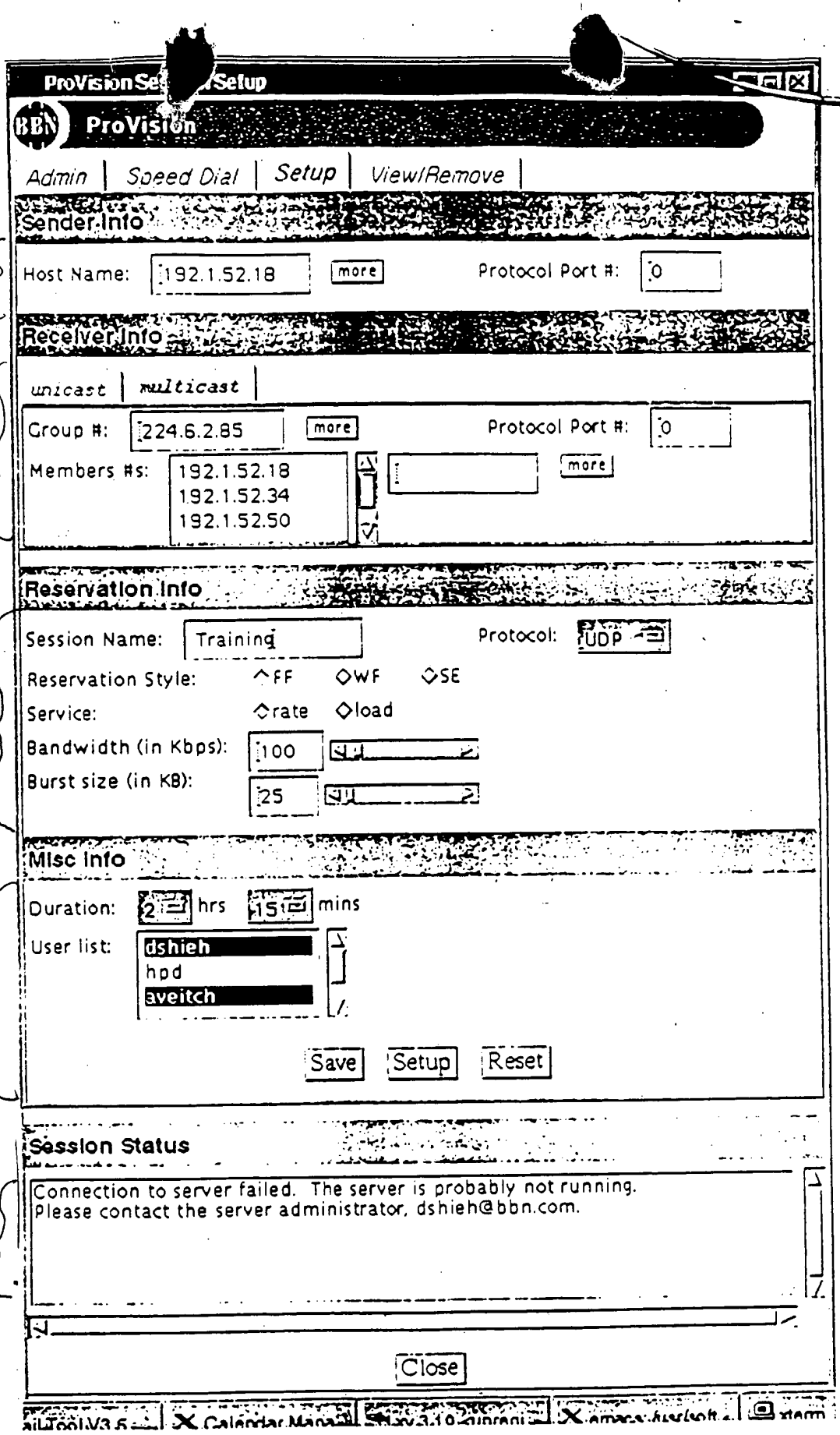
ProVision Setup
BBN ProVision
Admin
Speed Dial
Setup
View/Remove
Sender Info
Host Name: 192.1.52.18
more
Protocol Port #: 0
Receiver Info
unicast
multicast
Group #: 224.6.2.85
more
Protocol Port #: 0
Members #s: 192.1.52.18
192.1.52.34
192.1.52.50
more
Reservation Info
Session Name: Training
Protocol: UDP
Reservation Style: FF WF SE
Service: rate load
Bandwidth (in Kbps): 100
Burst size (in KB): 25
Misc Info
Duration: 2 hrs 15 mins
User list: dshieh
hpd
sveitch
Save
Setup
Reset
Session Status
Connection to server failed. The server is probably not running.
Please contact the server administrator, dshieh@bbn.com.
Close
410
420
430
440
450

Fig. 4